

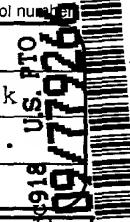


52-001-01

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Approved for use through 10/31/2002 OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 001103

First Inventor Teresa Kishlock

Title ENERGY EFFICIENCY .....

Express Mail Label No. EF 324289205

02/08/01

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 20]  
(preferred arrangement set forth below)
 

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 4 ]

5. Oath or Declaration [ Total Pages 1 ]
 

- a.  Newly executed (original or copy)
- b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 

- a.  Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
  - i.  CD-ROM or CD-R (2 copies); or
  - ii.  paper
- c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of (when there is an assignee)  Attorney

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)

15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)

16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP) of prior application No. ....

Prior application information. Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

|   |                   |          |   |
|---|-------------------|----------|---|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | 20285             |          | <input type="checkbox"/> or <input type="checkbox"/> Correspondence address below |
| (Insert Customer No. or Bar Code Label here)                          |                   |          |   |
| Name  |                   |          |   |
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| City  | State             | Zip Code |   |
| Country   | Telephone         | Fax      |   |
| Name (Print/Type)   | Jonathan C. Parks |          | Registration No. (Attorney/Agent) 40,120  |
| Signature   |                   |          | Date 2/8/01   |

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 404.00)

## Complete if Known

|                      |                 |
|----------------------|-----------------|
| Application Number   |                 |
| Filing Date          |                 |
| First Named Inventor | Teresa Kishlock |
| Examiner Name        |                 |
| Group Art Unit       |                 |
| Attorney Docket No.  | 001103          |

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **11-1110**  
Deposit Account Name **Kirkpatrick & Lockhart LLP**

Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17

Applicant claims small entity status.  
See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity        | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description        | Fee Paid           |
|---------------------|--------------|---------------|---------------|------------------------|--------------------|
| 101                 | 710          | 201           | 355           | Utility filing fee     | <b>355.</b>        |
| 106                 | 320          | 206           | 160           | Design filing fee      |                    |
| 107                 | 490          | 207           | 245           | Plant filing fee       |                    |
| 108                 | 710          | 208           | 355           | Reissue filing fee     |                    |
| 114                 | 150          | 214           | 75            | Provisional filing fee |                    |
| <b>SUBTOTAL (1)</b> |              |               |               |                        | <b>(\$ 355.00)</b> |

## 2. EXTRA CLAIM FEES

| Total Claims | Independent Claims | Multiple Dependent | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------------|--------------------|--------------|----------------|----------|
| 21           | 4                  |                    | -20** = 1    | x 9 = 9.       |          |
|              |                    |                    | - 3** = 1    | x 40. = 40.    |          |
|              |                    |                    |              |                |          |

| Large Entity        | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description  |                   |
|---------------------|--------------|---------------|---------------|--|-------------------|
| 103                 | 18           | 203           | 9             | Claims in excess of 20                                     |                   |
| 102                 | 80           | 202           | 40            | Independent claims in excess of 3                          |                   |
| 104                 | 270          | 204           | 135           | Multiple dependent claim, if not paid                      |                   |
| 109                 | 80           | 209           | 40            | ** Reissue independent claims over original patent         |                   |
| 110                 | 18           | 210           | 9             | ** Reissue claims in excess of 20 and over original patent |                   |
| <b>SUBTOTAL (2)</b> |              |               |               |  | <b>(\$ 49.00)</b> |

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large Entity        | Small Entity | Fee Code (\$) | Fee Code (\$) | Fee Description  | Fee Paid |
|---------------------|--------------|---------------|---------------|--|----------|
| 105                 | 130          | 205           | 65            | Surcharge - late filing fee or oath  |          |
| 127                 | 50           | 227           | 25            | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139                 | 130          | 139           | 130           | Non-English specification  |          |
| 147                 | 2,520        | 147           | 2,520         | For filing a request for ex parte reexamination                            |          |
| 112                 | 920*         | 112           | 920*          | Requesting publication of SIR prior to Examiner action                     |          |
| 113                 | 1,840*       | 113           | 1,840*        | Requesting publication of SIR after Examiner action                        |          |
| 115                 | 110          | 215           | 55            | Extension for reply within first month                                     |          |
| 116                 | 390          | 216           | 195           | Extension for reply within second month                                    |          |
| 117                 | 890          | 217           | 445           | Extension for reply within third month                                     |          |
| 118                 | 1,390        | 218           | 695           | Extension for reply within fourth month                                    |          |
| 128                 | 1,890        | 228           | 945           | Extension for reply within fifth month                                     |          |
| 119                 | 310          | 219           | 155           | Notice of Appeal   |          |
| 120                 | 310          | 220           | 155           | Filing a brief in support of an appeal                                     |          |
| 121                 | 270          | 221           | 135           | Request for oral hearing   |          |
| 138                 | 1,510        | 138           | 1,510         | Petition to institute a public use proceeding                              |          |
| 140                 | 110          | 240           | 55            | Petition to revive - unavoidable   |          |
| 141                 | 1,240        | 241           | 620           | Petition to revive - unintentional   |          |
| 142                 | 1,240        | 242           | 620           | Utility issue fee (or reissue)   |          |
| 143                 | 440          | 243           | 220           | Design issue fee   |          |
| 144                 | 600          | 244           | 300           | Plant issue fee  |          |
| 122                 | 130          | 122           | 130           | Petitions to the Commissioner  |          |
| 123                 | 50           | 123           | 50            | Processing fee under 37 CFR 1.17(q)  |          |
| 126                 | 180          | 126           | 180           | Submission of Information Disclosure Stmt                                  |          |
| 581                 | 40           | 581           | 40            | Recording each patent assignment per property (times number of properties) |          |
| 146                 | 710          | 246           | 355           | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149                 | 710          | 249           | 355           | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179                 | 710          | 279           | 355           | Request for Continued Examination (RCE)                                    |          |
| 169                 | 900          | 169           | 900           | Request for expedited examination of a design application                  |          |
| Other fee (specify) |              |               |               |  |          |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0 -)

|                   |   |                                   |        |                          |
|-------------------|---|-----------------------------------|--------|--------------------------|
| SUBMITTED BY      |   | Complete if applicable            |        |                          |
| Name (Print/Type) | Jonathan C. Parks   | Registration No. (Attorney/Agent) | 40,120 | Telephone (412) 355-6288 |
| Signature         |  | Date                              | 2/8/01 |                          |

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J1042 U.S. PTO  
02/08/01